

WO2005039578

**Title:**

**USE OF A DEOXYNOJIRIMYCIN DERIVATIVE OR A PHARMACEUTICALLY  
SALT THEREOF**

**Abstract:**

The invention relates to the use of a deoxynojirimycin derivative, or pharmaceutically acceptable salt thereof, for the preparation of a medicament for the treatment of insulin resistance, hyperpigmentation and/or inflammatory processes in the skin, a fungal disease, overweight and obesity, or a microbacterial infection.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

PCT

(10) International Publication Number  
**WO 2005/039578 A2**

(51) International Patent Classification<sup>7</sup>: **A61K 31/445**, A61P 3/10

(21) International Application Number:  
PCT/NL2004/000760

(22) International Filing Date: 29 October 2004 (29.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
03078396.3 29 October 2003 (29.10.2003) EP  
04076936.6 6 July 2004 (06.07.2004) EP

(71) Applicant (for all designated States except US):  
ACADEMISCH ZIEKENHUIS BIJ DE UNIVERSITEIT VAN AMSTERDAM [NL/NL]; Meibergdreef 15, NL-1105 AZ Amsterdam (NL).

(72) Inventor; and

(75) Inventor/Applicant (for US only): AERTS, Johannes, Maria, Franciscus, Gerardus [NL/NL]; Sandbergstraat 3, NL-1391 EJ Abcoude (NL).

(74) Agent: VAN WESTENBRUGGE, Andries; Nederlandse Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/039578 A2

(54) Title: USE OF A DEOXYNOJIRIMYCIN DERIVATIVE OR A PHARMACEUTICALLY SALT THEREOF

(57) Abstract: The invention relates to the use of a deoxynojirimycin derivative, or pharmaceutically acceptable salt thereof, for the preparation of a medicament for the treatment of insulin resistance, hyperpigmentation and/or inflammatory processes in the skin, a fungal disease, overweight and obesity, or a microbacterial infection.